





FIG. 3

MELT SPUN BICOMPONENT FIBERS WITH REVERSIBLE THERMAL PROPERTIES

	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6
CORE POLYMER	15% mPCM CONC.	15% mPCM CONC.	15% mPCM CONC.	15% mPCM CONC.	15% mPCM CONC.	15% mPCM CONC.
SHEATH POLYMER	PP	PP	PP	NYLON 6	NYLON 6	NYLON 6
CORE WT. %	50	75	50	50	75	50
SHEATH WT. %	50	25	50	50	25	50
WINDING SPEED	1000	1000	2000	1100	1100	2000
# FILAMENTS	64	64	64	64	64	64
SPIN DENIER	1152	1152	400	1152	1152	400
SPIN EASE	EXCELLENT	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	GOOD
% mPCM	7.5	11.25	7.5	7.5	11.25	7.5
FIBER LATENT HEAT (J/G)	11.5	17.1	10.5	9.4	15.5	10.3

FIG. 4